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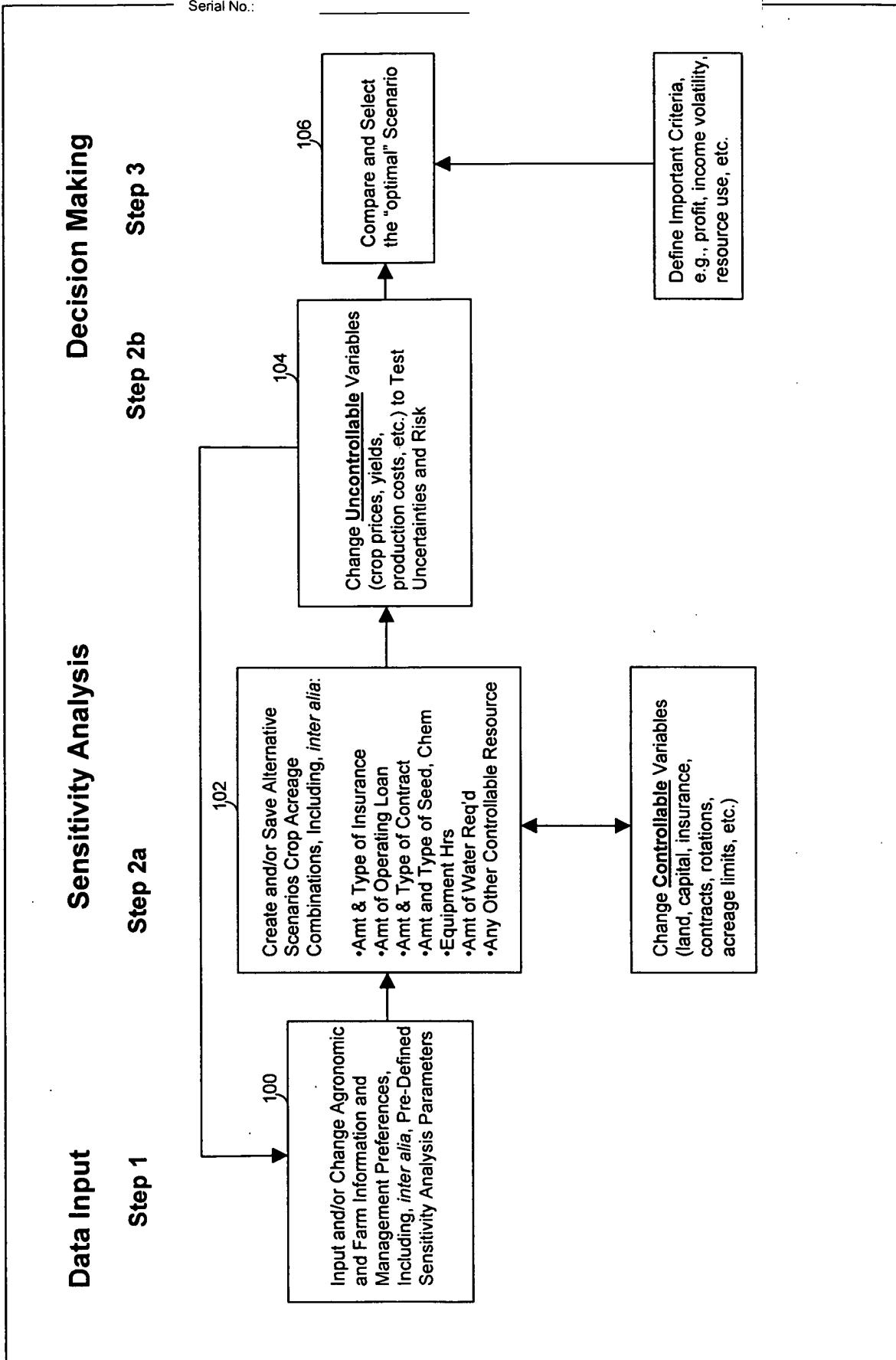
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## FIGURE 1

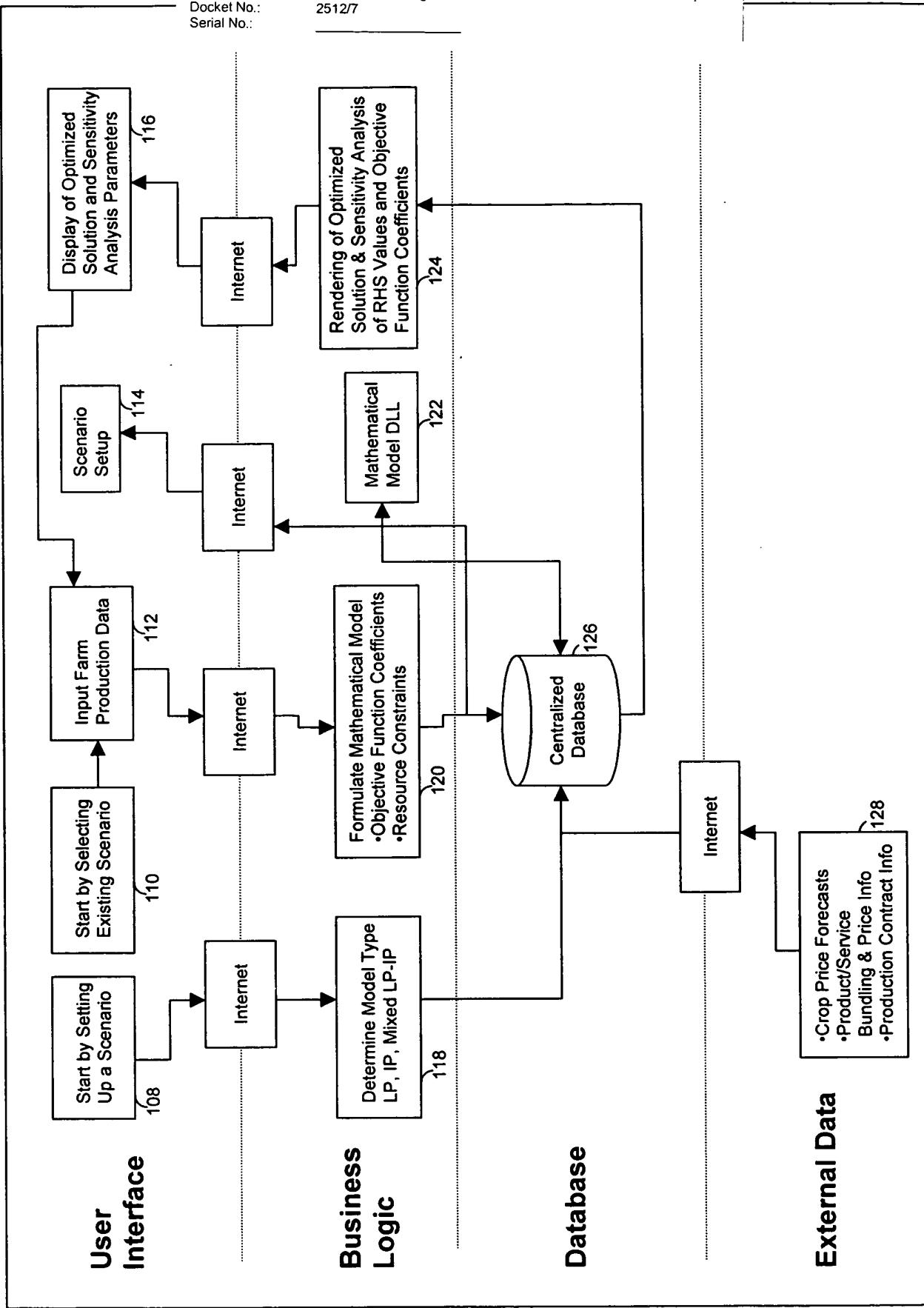


FIGURE 2

Sheet 3 of 13  
Inven  
Title  
Docket No.:  
Serial No.:

Gary M. Schneider  
System and Method For Developing a Farm Management Plan  
For Production Agriculture  
2512/7

Production Planning: New Scenario

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HELP

Production Planning Home

**Production Planning: New Scenario**

New Scenario from Scratch

New Scenario Name:  22

Profit Goal for Scenario:  20

Scenario Description:  24

**Submit**

New Scenario from Existing

Existing Scenario: Ken Dalenberg Test

New Scenario Name:

Scenario Description:

**Submit**

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FIGURE 3

**Production Planning**

Scenarios	Description	Add
Ken Dalenborg Test	<i>Testing Dalenborg Data</i>	
Dup of Ken Dalenborg Test	<i>Testing full duplication of CMS-based scenario.</i>	
Testing Field Assignments	<i>How about that!</i>	
Save this scenario	<i>error in addition of Remaining Op Capital</i>	
Garys Scenario	<i>Garys Test Scenario</i>	

**FIGURE 4**

DRAFT DRAFT DRAFT DRAFT

**Production Planning: Add Crop**

Select Crops	
Cropping programs available for use:	Cropping programs currently selected in this scenario:
<input type="checkbox"/> Corn Program 1998 <input type="checkbox"/> Soybean Program 1998	<input checked="" type="checkbox"/> Corn Program 1997 <input checked="" type="checkbox"/> Soybean Program 1997 <input checked="" type="checkbox"/> Soiltest Program
26	28
<input type="button" value="Update Crop List"/>	

**FIGURE 5**

**Production Planning: Add Field**

Select Fields	
<b>Fields available for use:</b> Dean: 3B00G5 Dean: 3B00G6 Dean: 3B00G7 Dean: 3B00G8 Dirst: North 80 Dirst: South 75 Hodge: Hodge 160 Howe: Howe James: James North 54 James: James South 34	<b>Fields currently selected in this scenario:</b> Bevan: North 80 Bevan: South 80 Heartland: Heartland East Heartland: Heartland West Hodge: Hodge 42 Hodge: Hodge S 84 Hume: Hume Back 50 Hume: Hume Front 40 Zindars: Zindars East 27 Zindars: Zindars West 31
30	31
<input type="button" value="Update Field List"/>	

**FIGURE 6****Production Planning: Edit Crop-Field Assignments**

	Corn Program 1997	Soybean Program 1997	Soiltest Program
Bevan: North 80	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bevan: South 80	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Heartland: Heartland East	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Heartland: Heartland West	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hodge: Hodge 42	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hodge: Hodge S 84	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hume: Hume Back 50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hume: Hume Front 40	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Zindars: Zindars East 27	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Zindars: Zindars West 31	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="button" value="Save Values"/>			

**FIGURE 7**

Production Planning: Acreage Constraints

Acreage Constraints			
Crop or Group Name	Minimum Acreage	Maximum Acreage	
Corn Program 1997	<input type="checkbox"/> Enforce: none	<input type="checkbox"/> Enforce: none	
Soybean Program 1997	<input type="checkbox"/> Enforce: none	<input type="checkbox"/> Enforce: none	
Soiltest Program	<input type="checkbox"/> Enforce: none	<input type="checkbox"/> Enforce: none	
Corn Group	<input checked="" type="checkbox"/> Enforce: 50	<input type="checkbox"/> Enforce: none	
Soybean Group	<input checked="" type="checkbox"/> Enforce: 50	<input type="checkbox"/> Enforce: none	

36

32

34

**FIGURE 8**

Production Planning: Add Crop Group

Add Crop Group	
Group Name:	<input type="text"/>
Crops available:	<input type="checkbox"/> Corn Program 1997 <input type="checkbox"/> Soybean Program 1997 <input type="checkbox"/> Corn Program 1998 <input type="checkbox"/> Soybean Program 1998 <input type="checkbox"/> Soiltest Program
Crops currently selected in this group:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

**FIGURE 9**

**Production Planning: Add Contract**

**Add Contract**

Contract Name:	<input type="text" value="38"/>
Contract Crop:	<input type="text" value="Corn Program 1997"/>
Contract Price:	<input type="text"/>
Contract Quantity (Acres):	<input type="text"/>
Is this a firm contract?	<input checked="" type="checkbox"/> Yes
Upper Bound on Contract Quantity:	<input type="text" value="20 %"/>
<input type="button" value="Save Contract"/>	

**FIGURE 10****Production Planning: Add Resource**

**Select Resource**

<b>Resources you have used in other scenarios:</b>	<b>Resources currently selected in this scenario:</b>
<input type="checkbox"/> Storage	<input checked="" type="checkbox"/> Operating Capital <input type="text" value="40"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/> Land <input type="text" value="42"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/> Water
<input type="button" value="Update Resource List"/>	

**Add a Resource**

New resource name:	<input type="text"/>
Amount of resource available:	<input type="text"/>
New resource UOM:	<input type="text"/>
<input type="button" value="Add to Resource List"/>	

**FIGURE 11**

**Production Planning Resource: Water**

Water: Availability	
Amount of Water available	150000

Water: Usage	
Amount of Water used by Corn Program 1997	175
Amount of Water used by Soybean Program 1997	200
Amount of Water used by Soiltest Program	0

**FIGURE 12****Production Planning: Edit Field Differences**

Edit Field Differences		
Field:	Hodge: Hodge 42	
Crop Program:	Corn Program 1997	
<b>Resource</b>	<b>Default Value</b>	<b>Override</b>
Water	175	175
Storage	140	140

**FIGURE 13**

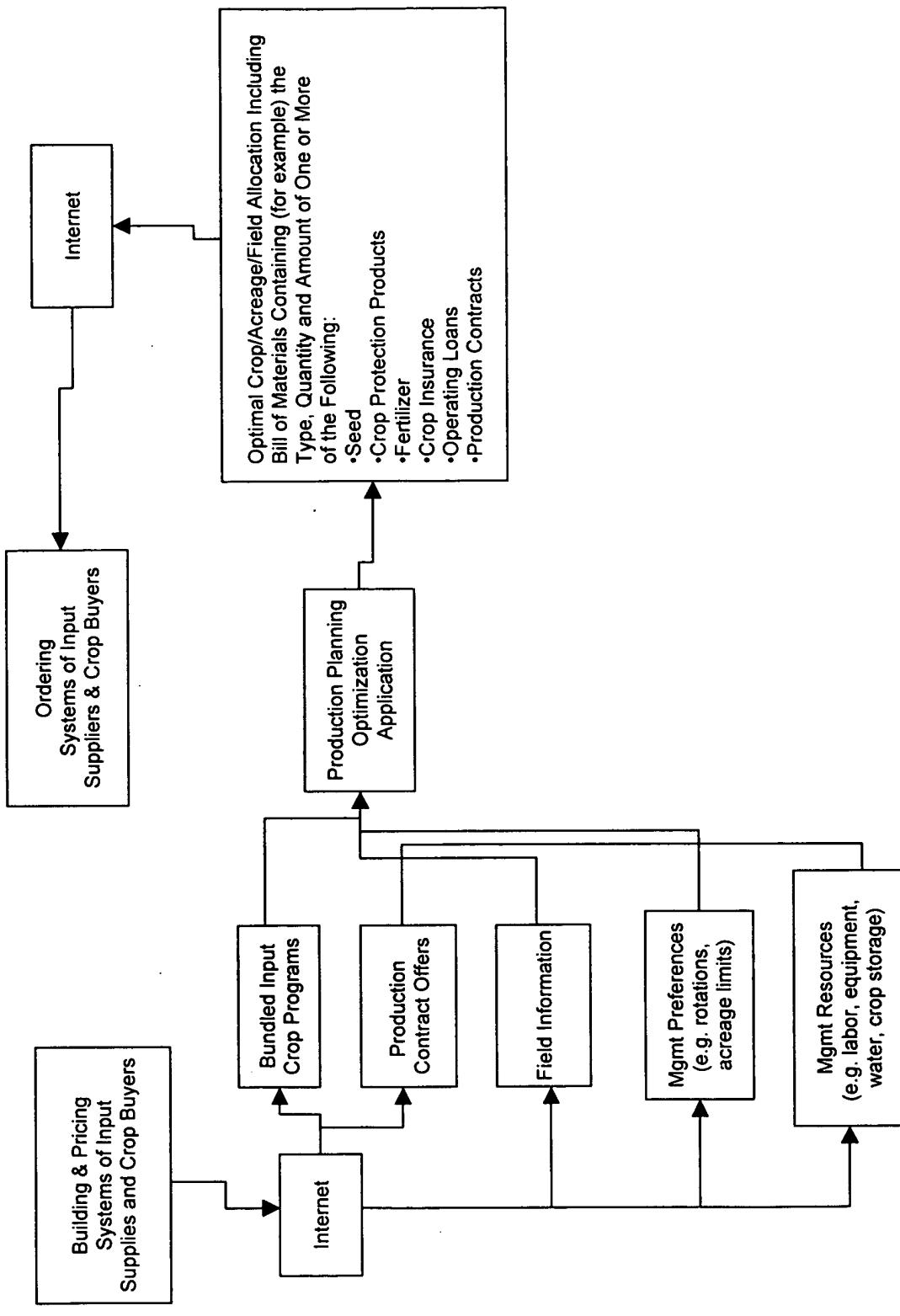


FIGURE 14

**Production Planning Scenario: Gary's Scenario****Scenario Setup**

<b>Crop Programs</b>					<b>Add / Remove</b>
Name	Acres	Price	Yield	Prod Cost	Gross Income per Acre
Corn Program 1997	30	\$2.80	155	\$300.00	\$134.00
Soybean Program 1997	250	\$5.15	49	\$215.00	\$37.35
Corn Program 1998	161	\$2.90	165	\$320.00	\$156.50
Soybean Program 1998	0	\$5.20	44	\$210.00	\$18.80

<b>Fields</b>					<b>Crop Rotations</b>	<b>Add / Remove</b>
Name	Size					
Sevan: North 80	80					
Dean: 3800GS	51					
Dean: 3800GE	81					
Dirst: South 75	76					
Heartland: Heartland West	44					
Heartland: Heartland East	30					
Howe: Howe	79					

<b>Acreage Constraints</b>					<b>Edit</b>	<b>Add / Remove Group</b>
Name	Min			Max		
Corn Program 1997	-20			90		
Total Corn	no minimum			200		

<b>Crop Contracts</b>					<b>Add / Remove</b>
Name (Crop)	Price	Quantity	Firm		

<b>Resources</b>					<b>Crop-Resource Usage</b>	<b>Field Differences</b>	<b>Add / Remove</b>
Name	Available						
Operating Capital	\$500,000.00						
Land	441						

**FIGURE 15****Production Planning Scenario: Gary's Scenario****Scenario Results:**

Gross Income: \$38,876.00

View Graphs

<b>Crop Programs</b>					<b>Add / Remove</b>
Name	Acres	Price	Yield	Prod Cost	Gross Income
Corn Program 1997	30	\$2.80	155	\$300.00	\$1020.00
Soybean Program 1997	250	\$5.15	49	\$215.00	\$9,337.50
Corn Program 1998	161	\$2.90	165	\$320.00	\$25,518.50
Soybean Program 1998	0	\$5.20	44	\$210.00	\$0.00

<b>Fields</b>					<b>Crop Rotations</b>	<b>Add / Remove</b>
Name	Size					
Sevan: North 80	80				Corn Program 1998	
Dean: 3800GS	51				Soybean Program 1997	
Dean: 3800GE	81				Corn Program 1998	
Dirst: South 75	76				Soybean Program 1997	
Heartland: Heartland West	44				Corn Program 1997	
Heartland: Heartland East	30				Soybean Program 1997	
Howe: Howe	79				Corn Program 1997	

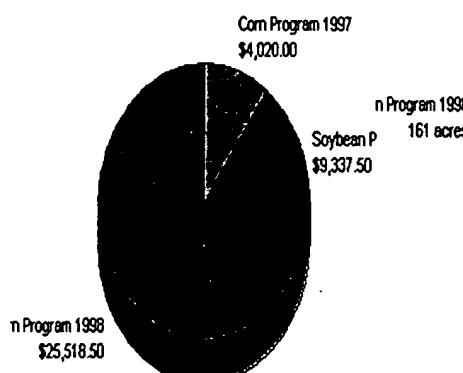
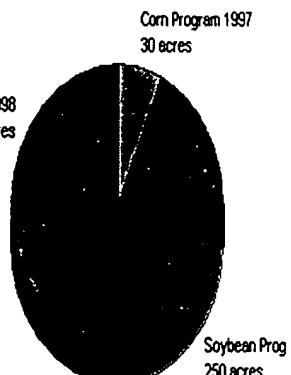
<b>Limits</b>					<b>Edit</b>	<b>Add / Remove Group</b>
Name	Limit					
Corn Program 1997	more than 20 acres					
Corn Program 1997	less than 90 acres					
Total Corn	less than 200 acres					

<b>Contracts</b>					<b>Add / Remove</b>
Name (Crop)	Filled	Gross Income			

<b>Resources</b>					<b>Crop-Resource Usage</b>	<b>Field Differences</b>	<b>Add / Remove</b>
Name	Used						
Operating Capital	\$114,270.00						
Land	441						

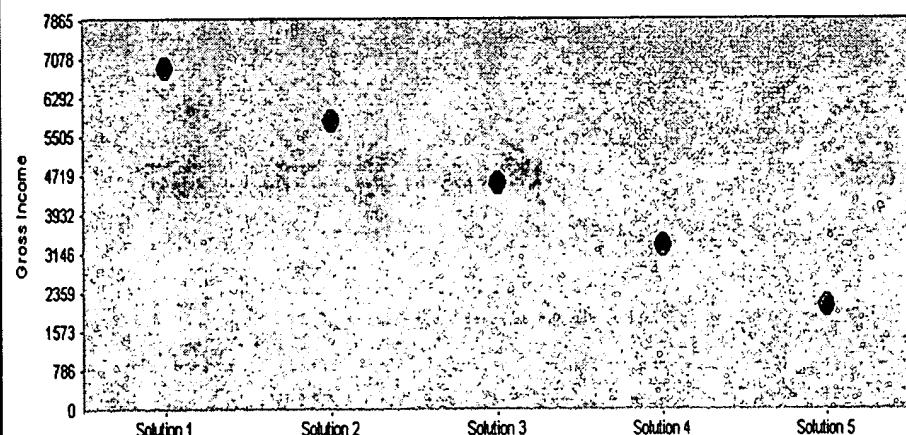
**FIGURE 16**

Gross Income: \$38,876.00

[View Text](#)**Net Profit per Crop****Acres per Crop****Resources****FIGURE 17**

Resource or Acreage Constraint to Vary:	<input type="text" value="Operating Capital"/>
Amount to Vary (per point):	<input type="text" value="-25000"/>
<b>Update</b>	

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**What-If Analysis****54****Solution 1****Solution 2****Solution 3****Gross Income: \$69,071.50**

Corn Program 1997

Soybean Program 1997

Corn Program 1998

**Gross Income: \$58,452.00**

0 Corn Program 1997

50 Soybean Program 1997

424 Corn Program 1998

**Gross Income: \$45,772.00**

0 Corn Program 1997

50 Soybean Program 1997

357 Corn Program 1998

0

50

277

**FIGURE 18**

**Scenario 1:**

**Ken Dalenberg Test**

**Gross Profit: \$29,078.45**

<b>Crops</b>			
Name	Acres	Net Profit	
Corn Program 1997	40	\$5,360.00	
Soybean Program 1997	515	\$19,235.25	
Soybean Program 1998	0	\$0.00	
Soiltest Program	0	\$0.00	
Kens Soybean Contract (Soybean Program 1997)	0	\$0.00	
Test Contract (Soybean Program 1997)	24	\$4,483.20	

**Scenario 2:**

**Dup of Ken Dalenberg Test**

**Gross Profit: \$61,899.50**

<b>Crops</b>			
Name	Acres	Net Profit	
Corn Program 1997	448	\$60,032.00	
Soybean Program 1997	50	\$1,867.50	
Soiltest Program	0	\$0.00	
Kens Soybean Contract (Soybean Program 1997)	0	\$0.00	

<b>Fields</b>			
Name	Size	Crop Planted	
Bevan: North 80	80	Soybean Program 1997	
Bevan: South 80	81	Soybean Program 1997	
Dean: 3B00G5	81	Soybean Program 1997	
Heartland: Heartland	44	Soybean Program 1997	
Heartland West			
Heartland: Heartland East	30	Soybean Program 1997	
Hodge: Hodge 42	40	Corn Program 1997	
Hodge: Hodge S 84	82	Soybean Program 1997	
Hume: Hume Back 50	50	Soybean Program 1997	
Hume: Hume Front 40	38	Corn Program 1997	
Zindars: Zindars West 31	29	Corn Program 1997	
Zindars: Zindars East 27	24	Corn Program 1997	

<b>Fields</b>			
Name	Size	Crop Planted	
Bevan: North 80	80	Corn Program 1997	
Bevan: South 80	81	Corn Program 1997	
Heartland: Heartland	44	Corn Program 1997	
Heartland West			
Heartland: Heartland East	30	Corn Program 1997	
Hodge: Hodge 42	40	Corn Program 1997	
Hodge: Hodge S 84	82	Corn Program 1997	
Hume: Hume Back 50	50	Soybean Program 1997	
Hume: Hume Front 40	38	Corn Program 1997	
Zindars: Zindars West 31	29	Corn Program 1997	
Zindars: Zindars East 27	24	Corn Program 1997	

<b>Resources</b>			
Name	Used	Unused	

**FIGURE 19**

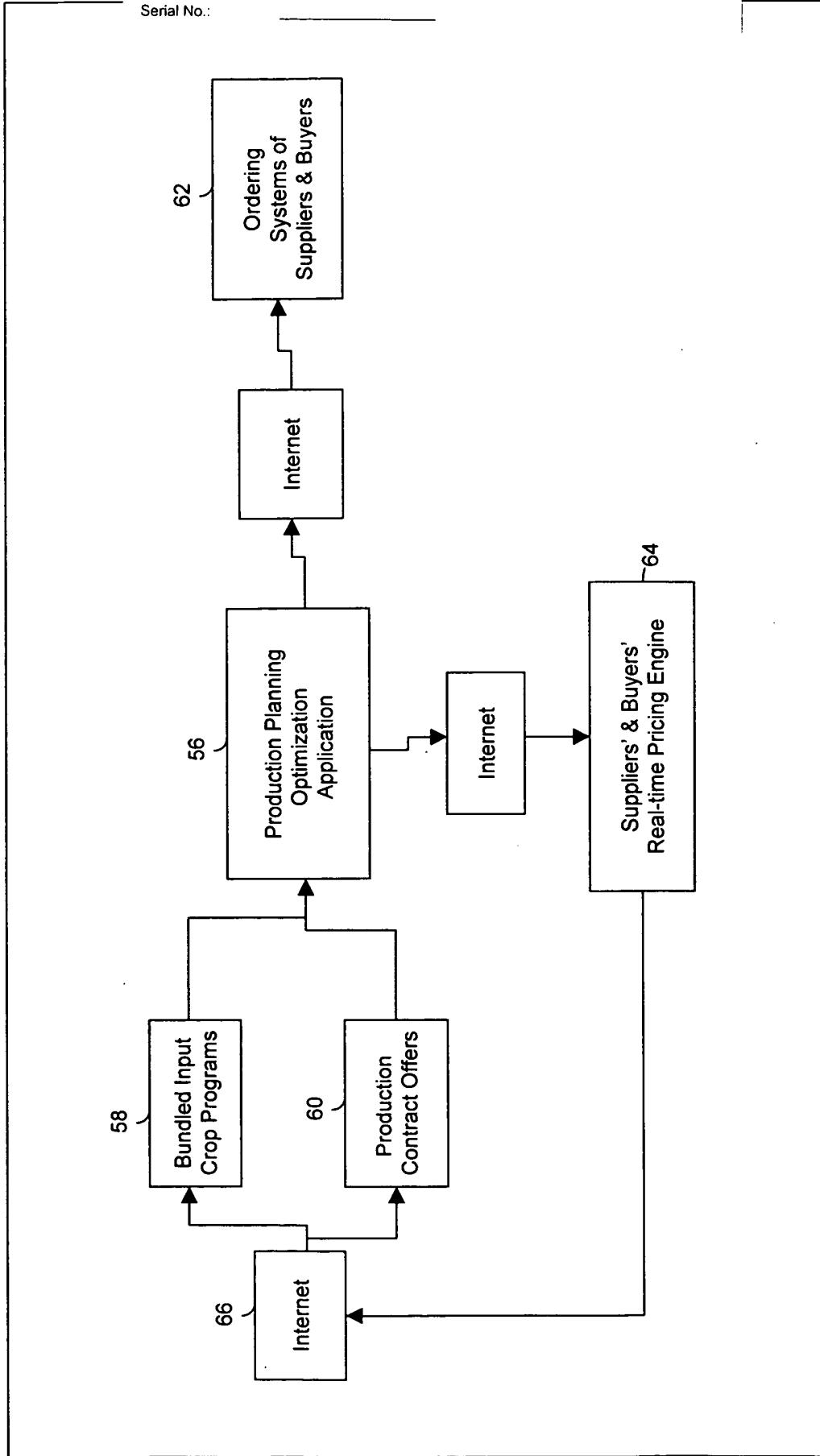


FIGURE 20